



UNIVERSITY OF PRIZREN
FACULTY OF COMPUTER SCIENCE

PROGRAM: Software Design

Curriculum -- SYLLABUS												
<i>Level of studies</i>		BACHELOR	<i>Program</i>	SD	<i>Academic year</i>	2018/19						
<i>SUBJECT</i>		Introduction to web languages and technologies										
<i>Year</i>	I - rd	<i>Status Of the subject</i>	O	<i>Code</i>	2O2	<i>ECTS credits</i>	6					
<i>Semester</i>	II-nd											
<i>Teaching weeks</i>		15		<i>Hours teaching</i>		60	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><i>Lectures</i></td> <td style="text-align: center;"><i>Exercises</i></td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> </tr> </table>		<i>Lectures</i>	<i>Exercises</i>	2	2
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2	2											
<i>Teaching Methodology</i>		Lectures, exercises, final project, consultations, tests.										
<i>Consultation</i>		One hour / week										
<i>The teacher</i>		Dr.Sc. Ziriye Hasani		<i>E-mail:</i>	ziriye.hasani@uni-prizren.com							
				<i>Tel.:</i>								
<i>Assistant</i>				<i>E-mail:</i>								
				<i>Tel.:</i>								

Study goal and table of content	Benefits of student
<p>The aim of the course is to give students information about Cascading Style Sheets (CSS) document, font, text, selectors and specificity.</p> <p>Dynamic HTML: specifying the styles dynamically control content dynamically positioning and animations with JavaScript.</p> <p>Markup languages: Structuring information with XML.</p>	<p>After completion of the course each student should be able to:</p> <ul style="list-style-type: none"> • design and implement web pages using (X) HTML, CSS and JavaScript (DHTML) with the simple interactivity and / or animations. • Using XML and CSS to create a simple web page that is not HTML markup. • Validation of web pages for use with different browsers and platforms. • Differences and roles of standards established by the W3C.

Methodology for the implementation of educational topics:		
<i>The course will be separated in two part. In first part there will be lecture hour presented with PowerPoint and in second part will be practical hour. In the practical part will exercise conducted for the languages and web technologies.</i>		
Conditions for realization of educational topics:		
Projector needs to present lectures with PowerPoint. For exercises is needed laboratory with PC where are installed the tools for programming.		
Ways of assessing of the student (in %) :	Evaluation in%	Final grade
Table with details of the manner of evaluation:	0-50%	5
	51-60%	6
	61-70%	7
	71-80%	8

<table border="1"> <tr><td>Attendance</td><td>5%</td></tr> <tr><td>Homework + Project</td><td>45%</td></tr> <tr><td>Midterm 1</td><td>25%</td></tr> <tr><td>Midterm 2</td><td>25%</td></tr> <tr><td>Exam</td><td>50%</td></tr> <tr><td>Total</td><td>100%</td></tr> </table> <p>Warning: Those who do not fails to pass the course or want a higher grade will be examined during the exam deadlines.</p> <ol style="list-style-type: none"> The exam will be 50% each examination period (other activities will also count) Those who pass the course with two midterms in the exam day come only to receive the grade (only if registered the exam). They how do not have to enter the exam but have passed the course with midterms I will save them the grade and can come to receive grade when they register the exam. Examination are not entitled to enter those who do not have the registered the exam. 	Attendance	5%	Homework + Project	45%	Midterm 1	25%	Midterm 2	25%	Exam	50%	Total	100%	81-90%	9
	Attendance	5%												
	Homework + Project	45%												
	Midterm 1	25%												
	Midterm 2	25%												
	Exam	50%												
Total	100%													
91-100%	10													
Total														
Obligations of student:														
Lectures	Exercises													
Must be active during the lectures with questions and comments.	They must make a presentation of projects and be active during the execution of exercises													
Student workload for Subject														
Activities	Hour/ weeks	Days/Weeks	Total											
Lecture	2	15	30											
Practical work	2	15	30											
Midterms	2	2	4											
Homework	5	2	10											
Project	5	15	75											
Consult hours with proffesor	1	1	1											
Notice: 1 ECTS credits= 25 hour commitment, e.g. if the subject has 6 ECTS credits student must have 150 hours during the semester commitment.		Total load:	150											
Week	Lectures	Hour	Exercises	Hour										
	Topic		Topic											
1	Introduction - Notification of students with the manner of implementation of lectures	2	Discussion on the projects and forming groups of projects	2										
2	Introduction to HTML (Editors, Basic, Elements, Attributes, Headings, Paragraphs, Styles, Formatting, Quotations, Computercode, Comments, Colors, CSS, Links, Images, Tables, Lists, Blocks, Classes, Layout, Responsive, Iframes, JavaScript, Head, Entities, Symbols, Charset, URL Encode, XHTML)	2	Exercises	2										
3	Creating forms in HTML	2	Exercises	2										

4	HTML 5 HTML APIs: HTML Geolocation HTML Drag/Drop HTML Local Storage HTML App Cache HTML Web Workers HTML SSE	2	Exercises	2
5	HTML Graphics HTML Canvas HTML SVG	2	Exercises	2
6	HTML Media HTML Video HTML Audio HTML Plug-ins HTML YouTube	2	Exercises	2
7	Midterm 1	2	Midterm 1	2
8	CSS Introduction CSS Syntax CSS How To CSS Colors CSS Backgrounds CSS Borders CSS Margins CSS Padding CSS Height/Width CSS Text CSS Fonts CSS Links CSS Lists CSS Tables CSS Box Model CSS Outline CSS Display CSS Max-width CSS Position CSS Float CSS Inline-block CSS Align CSS Combinators CSS Pseudo-class CSS Pseudo-element CSS Navigation Bar CSS Dropdowns CSS Tooltips CSS Image Gallery CSS Image Opacity CSS Image Sprites CSS Attr Selectors CSS Forms CSS Counters	2	Exercises	2
9	CSS3 CSS3 Introduction CSS3 Rounded Corners CSS3 Border Images CSS3 Backgrounds CSS3 Colors CSS3 Gradients	2	Exercises	2

	CSS3 Shadows CSS3 Text CSS3 Fonts CSS3 2D Transforms CSS3 3D Transforms CSS3 Transitions CSS3 Animations CSS3 Images CSS3 Buttons CSS3 Pagination CSS3 Multiple Columns CSS3 User Interface CSS3 Box Sizing CSS3 Flexbox CSS3 Filters CSS3 Media Queries CSS3 MQ Examples			
10	JavaScript	2	Exercises	2
11	JavaScript	2	Exercises	2
12	XML Introduction XML How to use XML Tree XML Syntax XML Elements XML Attributes XML Namespaces XML Display XML XSLT XML XPath XML XLink XML Validator XML DTD XML Schema XML Server XML Applications XML Examples XML Quiz XML Certificate	2	Exercises	2
13	XML DOM DOM Intro DOM Nodes DOM XMLHttpRequest DOM Accessing DOM Node Info DOM Node List DOM Traversing DOM Navigating DOM Get Values DOM Change Nodes DOM Remove Nodes DOM Replace Nodes DOM Create Nodes DOM Add Nodes DOM Clone Nodes DOM Examples	2	Exercises	2

	DOM Reference DOM Node Types DOM Node DOM NodeList DOM NamedNodeMap DOM Document DOM Element DOM Attribute DOM Text DOM CDATA DOM Comment DOM XMLHttpRequest DOM Parser			
14	XML DTD DTD Intro DTD Building Blocks DTD Elements DTD Attributes DTD Elements vs Attr DTD Entities DTD Examples XSD Schema XSD Intro XSD How To XSD <schema> XSD Elements XSD Attributes XSD Restrictions	2	Exercises	2
15	Midterm 2	2	Project presentation	2

LITERATURE:
<p>Basic Literature :</p> <ol style="list-style-type: none"> 1. Teague, J.C. "CSS, DHTML and Ajax", Peachpit, 2006. and Negrino, T. & Smith, D. "JavaScript and Ajax for the Web", Peachpit, 2006. or Powers, S. "Learning JavaScript", O'Reilly, 2006. 2. Meyer, E.A. "CSS Pocket Reference." O'Reilly (any edition). 3. Flanagan, D. "JavaScript Pocket Reference." O'Reilly (any edition). 4. Yuen, P.K. and Lau, V. "Practical Web technologies." Addison-Wesley, 2003.
NOTICE:
<ul style="list-style-type: none"> • In general presentations of lectures will be made through Power Point system, table, use of materials and computer software and the Internet. • Also, the professor will be provided additional materials (papers, publications, national bulletins and sound research findings and final). • During each session, will be organized conversations with students.
Notice for the student:
<p>The students are required to be regular in the lectures and exercises. The contribution of the students in the form of conversation with the students will be evaluated. Arrival time at lectures and exercises is mandatory. Students are expected to behave in a professional and courteous. Students can discuss the laboratory tasks in general with other students, but the solution must be done individually. Method of grading should be same</p>

residence for all students. Students do not need to replicate a solution to another person, by any other book or other source (eg web pages), but the solution must be the original of his own. The same rules are for homework and projects or seminary. Copying someone else's work will not be tolerated. Professors will report every violation of the rules of Commission for plagiarism.